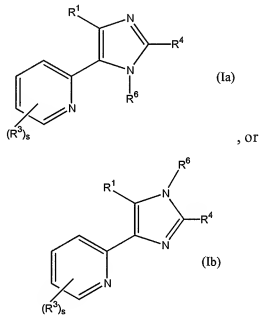


AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A compound of the formula (Ia) or (Ib):



or a pharmaceutically acceptable salt, tautomer, prodrug, or hydrate, ~~or solvate~~ thereof, wherein:

R^1 is an optionally substituted saturated, unsaturated, or aromatic C_3 - C_{20} mono-, bi- or polycyclic ring optionally containing ~~at least one~~ at least one nitrogen atom heteroatom selected from the group consisting of N, O, and S.

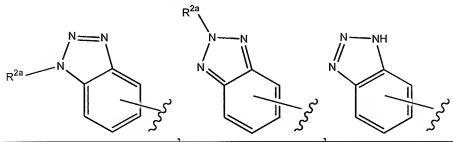
each R^3 is independently selected from the group consisting of: hydrogen, halo, halo(C_1 - C_6)alkyl, (C_1 - C_6)alkyl, (C_2 - C_6)alkenyl, (C_2 - C_6)alkynyl, perhalo(C_1 - C_6)alkyl, (C_5 - C_{10})heteroaryl, (C_5 - C_{10})heterocyclic, (C_3 - C_{10})cycloalkyl, hydroxy, (C_1 - C_6)alkoxy, perhalo(C_1 - C_6)alkoxy, phenoxy, (C_5 - C_{10})heteroaryl-O-,

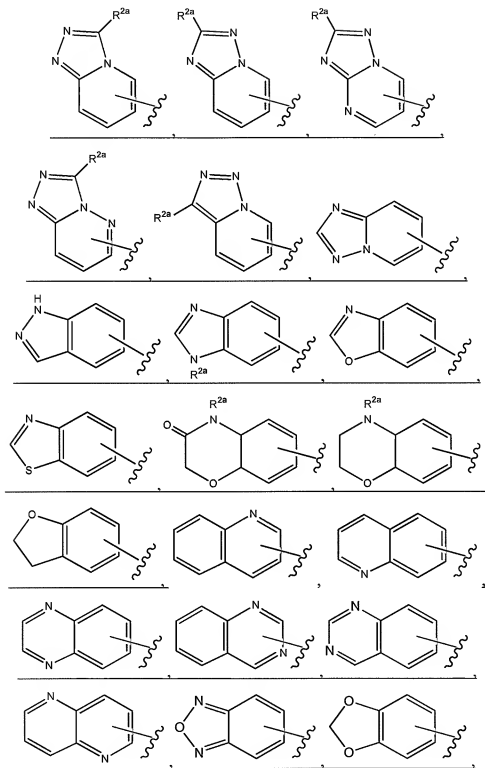
(C₅-C₁₀)heterocyclic-O-, (C₃-C₁₀)cycloalkyl-O-, (C₁-C₆)alkyl-S-, (C₁-C₆)alkyl-SO₂-, (C₁-C₆)alkyl-NH-SO₂-, nitro, cyano, amino, Ph(CH₂)₁₋₆NH-, (C₁-C₆)alkylamino, [(C₁-C₆)alkyl]₂-amino, (C₁-C₆)alkyl-SO₂-NH-, amino(C=O)-, aminoSO₂-, (C₁-C₆)alkyl-(C=O)-NH-, (C₁-C₆)alkyl-(C=O)-[[(C₁-C₆)alkyl]-N]-, phenyl-(C=O)-NH-, phenyl-(C=O)-[[(C₁-C₆)alkyl]-N]-, (C₁-C₆)alkyl-(C=O)-, phenyl-(C=O)-, (C₅-C₁₀)heteroaryl-(C=O)-, (C₅-C₁₀)heterocyclic-(C=O)-, (C₃-C₁₀)cycloalkyl-(C=O)-, HO-(C=O)-, (C₁-C₆)alkyl-O-(C=O)-, H₂N(C=O)-(C₁-C₆)alkyl-NH-(C=O)-, [(C₁-C₆)alkyl]₂-N-(C=O)-, phenyl-NH-(C=O)-, phenyl-[[(C₁-C₆)alkyl]-N]-(C=O)-, (C₅-C₁₀)heteroaryl-NH-(C=O)-, (C₅-C₁₀)heterocyclic-NH-(C=O)-, (C₃-C₁₀)cycloalkyl-NH-(C=O)- and (C₁-C₆)alkyl-(C=O)-O-, where R³ is optionally substituted by at least one substituent independently selected from (C₁-C₆)alkyl, (C₁-C₆)alkoxy, halo(C₁-C₆)alkyl, halo, H₂N-, Ph(CH₂)₁₋₆NH-, and (C₁-C₆)alkylNH-;

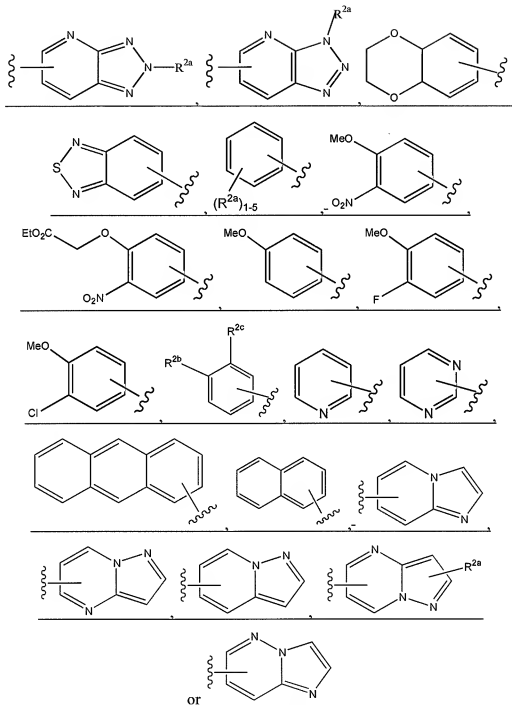
s is an integer from one to five; and

R⁴ and R⁶ taken together with the atoms to which they are attached form a ~~core~~ fused heteroaromatic pyrimidyl moiety.

2. (original) A compound of claim 1, wherein R³ is a (C₁-C₆)alkyl or a (C₃-C₁₀)cycloalkyl group.
3. (original) A compound of claim 2, wherein R³ is a methyl or a cyclopropyl group.
4. (currently amended) A compound of claim 1, wherein R¹ is







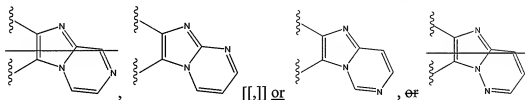
wherein R^{2a} is independently selected from the group consisting of: hydrogen, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_3-C_{10}) cycloalkyl, (C_5-C_{10}) aryl,

(C₁-C₆)alkyl(C₅-C₁₀)aryl, amino, carbonyl, carboxyl, (C₁-C₆)acid, (C₁-C₆)ester, (C₅-C₁₀)heteroaryl, (C₅-C₁₀)heterocyclyl, (C₁-C₆)alkoxy, nitro, halo, hydroxyl, and (C₁-C₆)alkoxy(C₁-C₆)ester; and where alkyl, alkenyl, alkynyl, cycloalkyl, aryl, amino, acid, ester, heteroaryl, heterocyclyl, and alkoxy of R^{2a} is optionally substituted by at least one moiety independently selected from the group consisting of hydrogen, halo, (C₁-C₆)alkyl, (C₂-C₆)alkenyl, (C₂-C₆)alkynyl, perhalo(C₁-C₆)alkyl, phenyl, (C₃-C₁₀)cycloalkyl, (C₅-C₁₀)heteroaryl, (C₅-C₁₀)heterocyclic, formyl, -CN, (C₁-C₆)alkyl-(C=O)-, phenyl-(C=O)-, HO-(C=O)-, (C₁-C₆)alkyl-O-(C=O)-, (C₁-C₆)alkyl-NH-(C=O)-, ((C₁-C₆)alkyl)₂N-(C=O)-, phenyl-NH-(C=O)-, phenyl-(((C₁-C₆)alkyl)-N)-(C=O)-, nitro, amino, (C₁-C₆)alkylamino, ((C₁-C₆)alkyl)₂-amino, (C₁-C₆)alkyl-(C=O)-NH-, (C₁-C₆)alkyl-(C=O)-[((C₁-C₆)alkyl)-N]-, phenyl-(C=O)-NH-, phenyl-(C=O)-[(((C₁-C₆)alkyl)-N]-, H₂N-(C=O)-NH-, (C₁-C₆)alkyl-HN-(C=O)-NH-, ((C₁-C₆)alkyl)₂N-(C=O)-NH-, (C₁-C₆)alkyl-HN-(C=O)-[(((C₁-C₆)alkyl)-N]-, ((C₁-C₆)alkyl)₂N-(C=O)-[((C₁-C₆)alkyl)-N]-, phenyl-HN-(C=O)-NH-, (phenyl)₂N-(C=O)-NH-, phenyl-HN-(C=O)-[(((C₁-C₆)alkyl)-N]-, (phenyl)₂N-(C=O)-[(((C₁-C₆)alkyl)-N]-, (C₁-C₆)alkyl-O-(C=O)-NH-, (C₁-C₆)alkyl-O-(C=O)-[(((C₁-C₆)alkyl)-N]-, phenyl-O-(C=O)-NH-, phenyl-O-(C=O)-[(((C₁-C₆)alkyl)-N]-, (C₁-C₆)alkyl-SO₂NH-, phenyl-SO₂NH-, (C₁-C₆)alkyl-SO₂-, phenyl-SO₂-, hydroxy, (C₁-C₆)alkoxy, perhalo(C₁-C₆)alkoxy, phenoxy, (C₁-C₆)alkyl-(C=O)-O-, (C₁-C₆)ester-(C₁-C₆)alkyl-O-, phenyl-(C=O)-O-, H₂N-(C=O)-O-, (C₁-C₆)alkyl-HN-(C=O)-O-, ((C₁-C₆)alkyl)₂N-(C=O)-O-, phenyl-HN-(C=O)-O-, and (phenyl)₂N-(C=O)-O-; and

R^{2b} and R^{2c} taken together with the atoms to which they are attached form an optionally substituted mono-, bi- or polycyclic, saturated, unsaturated, or aromatic ring system optionally containing at least one heteroatom selected from the group consisting of N, O and S.

5. (cancelled)

6. (currently amended) A compound of claim 4, wherein said ~~eere~~ fused heteroaromatic pyrimidyl moiety is:



7 -12. (cancelled).

13. (currently amended) A compound selected from the group consisting of:

- 6-[2-(6-Methyl-pyridin-2-yl)-imidazo[1,2-a]pyridin-3-yl]-quinoline;
- 6-[2-(6-Methyl-pyridin-2-yl)-imidazo[1,2-a]pyrazin-3-yl]-quinoline;
- 6-[2-(6-Methyl-pyridin-2-yl)-imidazo[1,2-a]pyrimidin-3-yl]-quinoline;
- 2-Benzo[1,3]dioxol-5-yl-3-(6-methyl-pyridin-2-yl)-imidazo[1,2-a]pyrimidine;
- 6-[2-(6-Methyl-pyridin-2-yl)-imidazo[1,2-a]pyrazin-3-yl]-quinoline;
- 6-[3-(6-Methyl-pyridin-2-yl)-imidazo[1,2-a]pyridin-2-yl]-quinoline;
- 6-[3-(6-Methyl-pyridin-2-yl)-imidazo[1,2-a]pyrimidin-2-yl]-quinoline;
- 6-[6-(6-Methyl-pyridin-2-yl)-imidazo[2,1-b][1,3,4]thiadiazol-5-yl]-quinoline;
- 6-[6-(6-Methyl-pyridin-2-yl)-imidazo[2,1-b]thiazol-5-yl]-quinoline;
- 6-[8-Methyl-2-(6-methyl-pyridin-2-yl)-imidazo[1,2-a]pyridin-3-yl]-quinoline;
- 6-[7-Methyl-2-(6-methyl-pyridin-2-yl)-imidazo[1,2-a]pyridin-3-yl]-quinoline;
- 6-[6-Methyl-2-(6-methyl-pyridin-2-yl)-imidazo[1,2-a]pyridin-3-yl]-quinoline;
- 6-[3-(6-Methyl-pyridin-2-yl)-7H-imidazo[1,2-a]imidazol-2-yl]-quinoline;
- 1-Methyl-6-[3-(6-methyl-pyridin-2-yl)-imidazo[1,2-a]pyrimidin-2-yl]-1H-
benzotriazole;

6-[3-Methyl-6-(6-methyl-pyridin-2-yl)-imidazo[2,1-b]thiazol-5-yl]-quinoline;
6-[2-Methyl-6-(6-methyl-pyridin-2-yl)-imidazo[2,1-b]thiazol-5-yl]-quinoline;
6-[7-Methyl-2-(6-methyl-pyridin-2-yl)-imidazo[1,2-a]pyrimidin-3-yl]-quinoline;
2-(6-Methyl-pyridin-2-yl)-3-quinolin-6-yl-imidazo[1,2-a]pyrimidin-7-ylamine;
6-[7-Methyl-2-(6-methyl-pyridin-2-yl)-6-nitro-imidazo[1,2-a]pyridin-3-yl]-
quinoline;

1-Methyl-6-[2-(6-methyl-pyridin-2-yl)-imidazo[1,2-a]pyrimidin-3-yl]-1H-
benzotriazole;

2-Methyl-5-[2-(6-methyl-pyridin-2-yl)-imidazo[1,2-a]pyrimidin-3-yl]-2H-
benzotriazole;

3-(2-Methyl-2H-benzotriazol-5-yl)-2-(6-methyl-pyridin-2-yl)-imidazo[1,2-
a]pyrimidin-7-ylamine;

2-(6-Methyl-pyridin-2-yl)-3-quinolin-6-yl-imidazo[1,2-a]pyrimidin-7-ol;

Dimethyl-[2-(6-methyl-pyridin-2-yl)-3-quinolin-6-yl-imidazo[1,2-a]pyrimidin-7-
yl]-amine;

2-(6-Methyl-pyridin-2-yl)-3-pyridin-4-yl-imidazo[1,2-a]pyrimidine;

2-(6-Methyl-pyridin-2-yl)-3-pyridin-4-yl-imidazo[1,2-a]pyrimidin-7-ylamine; and

3-Benzothiazol-6-yl-2-(6-methyl-pyridin-2-yl)-imidazo[1,2-a]pyrimidin-7-
ylamine.

14. (original) A pharmaceutical composition comprising a compound of claim 1 and
a pharmaceutically acceptable carrier.

15. (cancelled)